
Appendix Q

Glossary

Appendix Q. Glossary

Section 1. Abbreviations

ACAMS	Automatic Continuous Air Monitoring System
ACS	Allowable Stack Concentration
ASTM	American Society for Testing and Materials
AWFCO	Automatic Waste Feed Cut Off
BIF	Bulk Item Facility
CAMDS	Chemical Agent Munitions Disposal System
CEMS	Continuous Emissions Monitoring System
CFR	Code of Federal Regulations
CMO	Control Module Operator
CMS	Continuous Monitoring System
CPVC	Chlorinated Polyvinyl Chloride
DAQ	Division of Air Quality
DCD	Deseret Chemical Depot
DD	Department of Defense
DE	Destruction Efficiencies
DEQ	Department of Environmental Quality
DRE	Destruction and Removal Efficiency
DSHW	Division of Solid and Hazardous Waste
EPA	Environmental Protection Agency
FID	Flame Ionization Detector
GC	Gas Chromatography
HMIS	Hazard Materials Information System
HRA	Health Risk Assessment
HW	Hazardous Waste
IAW	in accordance with
ID	Induced Draft
IFB	Insulating Firebrick
LCO	Limiting Conditions of Operation
LIC	Liquid Incinerator
MACT	Maximum Achievable Control Technologies
MDF	Multipurpose Demilitarization Facility
MHA	Munition Holding Area
MHE	Materiel Handling Equipment
MPF	Metal Parts Furnace
MPFO	Metal Parts Furnace Operator
MSDS	Material Safety Data Sheets
NA	Not Available
O.D.	Outside Diameter
PAS	Pollution Abatement System
PCC	Primary Combustion Chamber
PCDD	Polychlorinated Dibenzodioxins
PCDF	Polychlorinated Dibenzofurans

Section 1. Abbreviations (Continued)

PIC	Products of Incomplete Combustion
PLC	Programmable Logic Computer
PM	Project Manager
POHC	Principal Organic Hazardous Constituent
PTFE	Polytetrafluoroethylene
QAPP	Quality Assurance Project Plan
QC	Quality Control
RCRA	Resource Conservation and Recovery Act
RE	Removal Efficiencies
SCC	Secondary Combustion Chamber
SOP	Standing Operating Procedure
SRA	Screening Risk Assessment
SRE	System Removal Efficiency
SSOP	Standard Sampling Operational Procedure
SVOC	Slightly Volatile Organic Compounds
TCLP	Toxicity Characteristic Leaching Procedure
TOC	Total Organic Carbon
TOCDF	Tooele Chemical Agent Disposal Facility
TWA	Time-weighted Average
VOC	Volatile Organic Compounds
VOST	Volatile Organic Sampling Train

Section 2. Terms

3X	XXX, Surface Decontamination Level
5X	XXXXX, Complete Decontamination Level
ΔH_c°	Delta Heat of Combustion
>	greater than
<	less than
° C	Degrees Celsius
° F	Degrees Fahrenheit
%	Percent
μg	micrograms
acfm	actual cubic feet per minute
Ag	Silver
AgNO_3	Silver Nitrate
Al	Aluminum
$\text{Al}(\text{C}_3\text{H}_5\text{O}_3)_3$	Aluminum Lactate
As	Arsenic
As_2O_5	Arsenic Pentoxide
atm	atmosphere
B	Boron
Ba	Barium
$\text{Ba}(\text{NO}_3)_2$	Barium Nitrate

Section 2. Terms (Continued)

Be	Beryllium
Be(NO ₃) ₂	Beryllium Nitrate
Btu	British Thermal Unit
Btu/hr	British Thermal Unit per Hour
Btu/lb	British Thermal Unit per Pound
CH ₄	methane, natural gas
C ₂ Cl ₄	Tetrachloroethylene
C ₂ Cl ₆	Hexachloroethane
C ₂ F ₄	Polytetrafluoroethylene
[C ₂ H ₄] _n	Polyethylene
C ₉ H ₁₆	Butyl Rubber C ₄ H ₅ Cl ₃ Chlorinated Polyvinyl Chloride
C ₆ H ₅ Cl	Chlorobenzene
Cd	Cadmium
Cd(NO ₃) ₂	Cadmium Nitrate
Cl ₂	Chlorine
Co	Cobalt
Co(NO ₃) ₂	Cobalt Nitrate
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
cp	Centipoise
Cr	Chromium
Cr(NO ₃) ₃	Chromium Nitrate
Cu	Copper
Cu(NO ₃) ₂	Copper Nitrate
D _p	Differential Pressure
dscf	dry standard cubic feet
dscm	dry standard cubic meter
dscmh	dry standard cubic meters per hour
ft	Foot
ft ³	Cubic Feet
g	grams
gal	gallons
gpm	gallons per minute
gr/dscf	grains per dry standard cubic feet
H ₃ BO ₃	Boric Acid
H ₂ O	Water
HCl	Hydrochloric Acid, Hydrogen Chloride
HF	Hydrogen Fluoride
Hg	Mercury
Hg(NO ₃) ₂	Mercury Nitrate
hr	hour
iwc	inches water column
L	Liters
lbs	pounds

Section 2. Terms (Continued)

lbs/ft	pounds per foot
lbs/ft ²	pounds per square foot
lbs/ft ³	pounds per cubic foot
lbs/hr	pounds per Hour
m ³	Cubic Meter
mg	milligrams
mg/dscm	milligrams per dry standard cubic meter
Mn	Manganese
Mn(NO ₃) ₂	Manganese Nitrate
N ₂	Nitrogen
Na	Sodium
ng	nanograms
Ni	Nickel
Ni(NO ₃) ₂	Nickel Nitrate
No.	Number
NO _x	Nitrogen Oxide
O ₂	Oxygen
osi	ounces per square inch
Pb	Lead
Pb(NO ₃) ₂	Lead Nitrate
pH	Log of the Reciprocal of Hydrogen Ion Concentration
ppm	parts per million
R	Rankine (Temperature)
Sb	Antimony
SbCl ₃	Antimony Trichloride
scfh	standard cubic feet per hour
scfm	standard cubic feet per minute
Se	Selenium
SeH ₂ O ₄	Selenic Acid
sec	seconds
SO ₂	Sulfur Dioxide
TCE	Tetrachloroethylene
Tl	Thallium
TlNO ₃	Thallium Nitrate
V	Vanadium
V ₂ O ₅	Vanadium Oxide
Zn	Zinc
Zn(NO ₃) ₂	Zinc Nitrate

Section 3. Special Abbreviations and Terms

CO _c	Corrected CO ppm (Dry Volume)
CO _m	Measured CO ppm (Dry Volume)
GB	Nerve agent GB: Isopropylmethylphosphonofluoridate (Sarin)
O _m	Measured Percent O ₂ (Dry Volume)
P _c	Corrected Concentration of Particulate Matter
P _m	Measured Concentration of Particulate Matter in ppm (Dry Volume)
ppm _{dv}	parts per million, dry volume
VX	Nerve agent VX: O-ethyl-S-(2-diisopropyl-aminoethyl) methylphosphonothiolate
Y	Measured O ₂ in the stack gas